

**BOARD OF MANAGERS MEETING
CANYON REGIONAL WATER AUTHORITY**

**Wednesday, February 5, 2025
CRWA ADMINISTRATIVE BUILDING
850 Lakeside Pass, New Braunfels, Texas 78130**

This Notice is posted pursuant to the Texas Open Meeting Act. (TEX. REV. CIV. STAT. ANN. Chapter 551, Section 31.) The Canyon Regional Water Authority will hold an in-person meeting at **10:00 AM Wednesday, February 5, 2025**, regarding provisions of the Texas Open meetings act. Additional information can be obtained by calling: (830) 609-0543.

The Board of Managers will consider the following items and make recommendations to the Board of Trustees as appropriate:

Item

- 1 Open Meeting & Corrections to January 8, 2025, Meeting Notes (Justin Ivicic)**
- 2 Water Precipitation/Drought Update: (Adam Telfer)**
 - A. Precipitation update
 - B. GBRA In-Out Basin Report
 - C. Drought and Canyon Lake update
- 3 General Construction / Design Projects:**
 - A. Construction Committee Report and/or Recommendations (Brandon Rohan)**
 - a. TxDOT/CRWA IH-10 (Santa Clara and Zuehl) Transmission Line Project
 - b. TxDOT/CRWA FM 1518 Transmission Line Project
 - c. TxDOT/CRWA IH-10 Conflict at Channel D
 - d. Hays Caldwell Pipeline
- 4 Treated Water Production Update: (Adam Telfer)**
 - A. Current Water Treatment Operation**
 - a. Lake Dunlap WTP
 - b. Wells Ranch WTP
 - c. Hays Caldwell WTP
- 5 Water Treatment Plant Improvement Projects: (Brandon Rohan)**
 - A. Lake Dunlap WTP**
 - a. Interconnect Water Line (ARWA)
 - b. Additional Membrane/WTP Upgrade
 - c. GST Rehabilitation
 - B. Wells Ranch WTP**
 - a. Emergency Generator Project
 - C. Hays Caldwell WTP**
 - a. Tank Construction D/N
 - b. Membrane Filter Upgrade
 - c. Pilot Study
- 6 Wells Ranch (Kerry Averyt)**
 - A. Christian Well (920 AF)
 - B. Wells Ranch III Infrastructure Upgrades
 - C. Blumberg Project
- 7 General Topics/Meetings (Kerry Averyt)**
 - A. THM Reduction
- 8 Items for the next Board of Managers meeting or the Board of Trustees Meeting**
 - A. Appointments to the Board of Manager's due May 1, 2025

9 Announcements and Adjourn

**BOARD OF MANAGERS MEETING MINUTES
CANYON REGIONAL WATER AUTHORITY**

**Wednesday, January 8, 2025
CRWA ADMINISTRATIVE BUILDING
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The Board of Managers will consider the following items and make recommendations to the Board of Trustees as appropriate:

Item

- 1 Open Meeting & Corrections to December 4, 2024, Meeting Notes (Justin Ivicic)**
 - » Kerry Averyt opened the meeting at 10:03 AM.
- 2 Water Precipitation/Drought Update: (Kerry Averyt)**
 - A. Precipitation update
 - B. GBRA In-Out Basin Report
 - C. Drought and Canyon Lake update
 - » Adam gave an update on the drought and the water levels at Canyon Lake. Canyon Lake continues to drop. CRWA received an email from GBRA accepting the curtailment plan that CRWA submitted. There has been .48 inches of precipitation above Canyon Lake in the last 30 days. There is discussion on the curtailment plan and the 15% reduction. GBRA is looking for a 15% reduction at the end of the year by reducing each month. If usage goes over one month, then CRWA will need to reduce usage more next month. The 15% reduction is at the end of the year.
- 3 General Construction / Design Projects:**
 - A. **Construction Committee Report and/or Recommendations (Brandon Rohan)**
 - a. TxDOT/CRWA IH-10 (Santa Clara and Zuehl) Transmission Line Project
 - b. TxDOT/CRWA FM 1518 Transmission Line Project
 - c. TxDOT/CRWA IH-10 Conflict at Channel D
 - d. Hays Caldwell Pipeline
 - » There was a Construction Committee meeting on January 7th. The IH-10 project is passed schedule, there are challenges with the contractor. They are waiting on HDPE Pipe and once it is delivered it should be installed in 4-6 weeks. The FM 1518 Project is completed and is waiting for revegetation. The Conflict at Channel D is working on design and trying to get an estimated construction cost, so an amendment to the agreement for item 3A can be completed. Richard Gallegos is working on design for the Hays Caldwell Pipeline.
- 4 Treated Water Production Update: (Kerry Averyt)**
 - A. Current Water Treatment Operations
 - b. Lake Dunlap WTP
 - c. Wells Ranch WTP
 - d. Hays Caldwell WTP and Pall Mobile Unit
 - » Lake Dunlap WTP: Lake Dunlap WTP used 79% of their GBRA raw water. Lake Dunlap WTP trended below the 2023 usage. 2023 was the highest usage year for all three water treatment plants. There is no update on the Interconnect.
 - » Wells Ranch WTP: Wells Ranch WTP used 86% of their overall allotment of GBRA raw water. Wells Ranch trended above the 2023 usage.
 - » Hays Caldwell WTP: Hays Caldwell used 98% of their GBRA raw water and trended below their 2023 usage.
- 5 Water Treatment Plant Improvement Projects: (Brandon Rohan)**
 - A. **Lake Dunlap WTP**
 - a. Interconnect Water Line (ARWA)
 - b. Additional Membrane/WTP Upgrade
 - B. **Wells Ranch WTP**
 - a. Emergency Generator Project
 - C. **Hays Caldwell WTP**
 - a. Tank Construction D/N
 - b. Membrane Filter Upgrade
 - c. Pilot Study

- » Lake Dunlap WTP: There is no update on the ARWA Interconnect. There is a potential delay in the bidding process for the additional membranes to ensure ample time to get a good bid. The new bid opening date is February 4th. This is a budgeted item for this year. The schedule has the strainers being completed in July. Now that the strainers are out for bid, Garver will begin working on the ground storage tank rehab. There are 3 potential bidders for the strainers.
- » Wells Ranch WTP: The generator project is scheduled for 100% plan review for January 9th with CRWA Staff. CRWA Staff has already reviewed 90% and given comments back. Ardurra plans to be bid ready by the middle of this month. This is not a funded project. There needs to be a meeting to discuss funding. Mr. Averyt has emailed the participating members to get a meeting scheduled.
- » Hays Caldwell WTP: Construction has resumed on the Tank. There were some delays back in late Fall/ early Winter due to some stainless-steel piping. Work has resumed. The foundation was going to be poured this week, but due to temperature/weather it will be poured next week. Bids for Phase 2 are out and should be received and evaluated for the March Board of Trustee's meeting. The Phase 2 portion of the project is just the ozone. The Hays Caldwell group met with the CRWA Staff to discuss how to move forward on the pilot studies. When the responses were received for the pilot study request, some of them had a component for a cost associated that was not expected. The Hays Caldwell group gave CRWA Staff instruction on how much they would be willing to pay for the Pilot study and all three participants agreed to the cost. It is a 90-day pilot process, per TCEQ requirement, that will move forward in April.

6 Wells Ranch Project III (Kerry Averyt)

- A. Christian Well (920 AF)
- B. Wells Ranch Infrastructure Upgrades
 - » STV is reviewing submittals for the Well Upgrades project so the contractor can start ordering materials. There are some long lead times on some items, so Mr. Averyt does not anticipate construction beginning until May or June. A draft contract should be sent out to all the interested parties for the 920 AF by the end of the week.
 - » STV is working on the Wells Ranch 3 project and conducting a study to look at what all infrastructure upgrades will be needed for Wells Ranch 3.
 - » Recently, GBRA had submitted an application for a permit amendment in Gonzales County. It was protested and went to a state hearing. It was recommended that their production permit be approved, but the district deny the export permit. This could impact Wells Ranch, making it harder to get permitted. Mr. Averyt suggests looking into other opportunities such as the Bloomberg project.

7 General Topics/Meetings (Kerry Averyt)

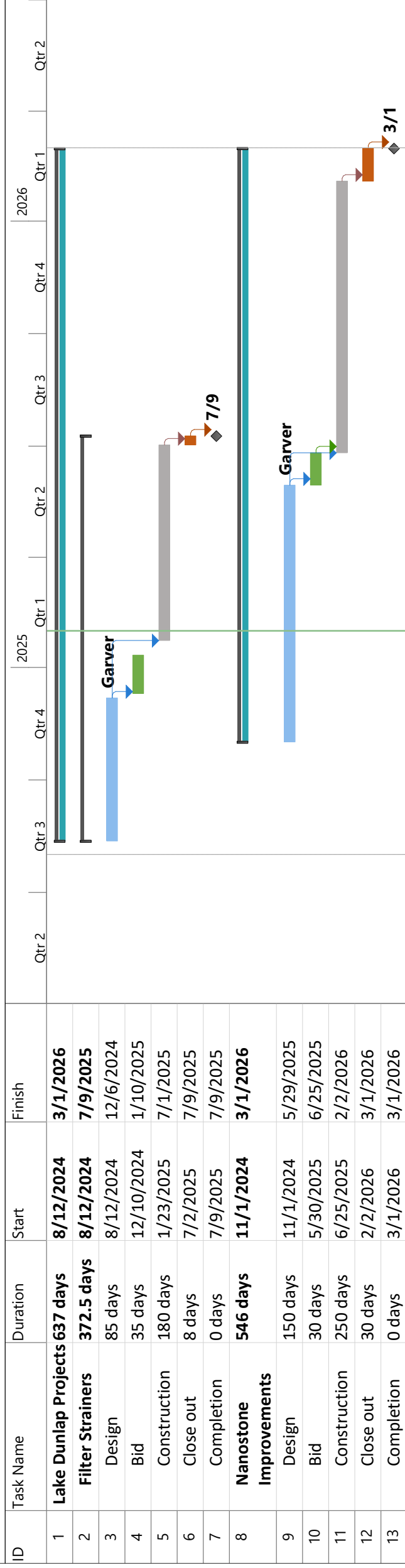
- A. THM Reduction
 - » There are no THM updates to report at this time.
 - » Desti Galicia gave an update on behalf of GVEC regarding winterization of their equipment.

8 Items for the next Board of Managers meeting or the Board of Trustees Meeting

9 Announcements and Adjourn

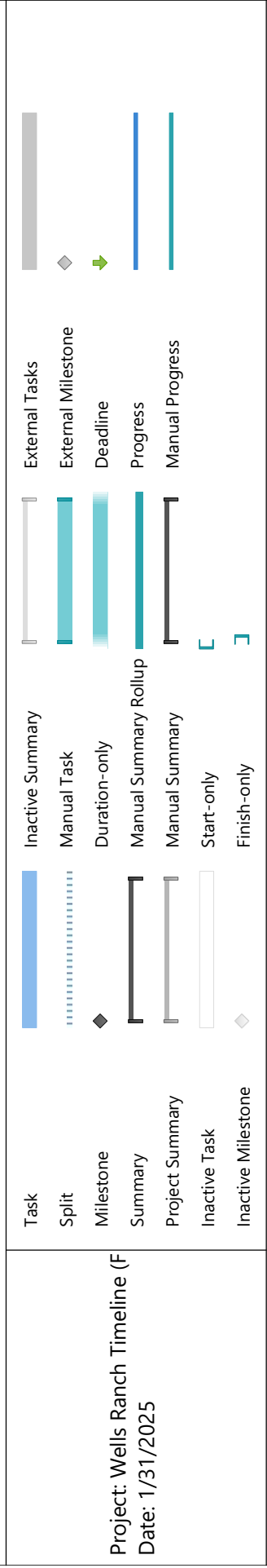
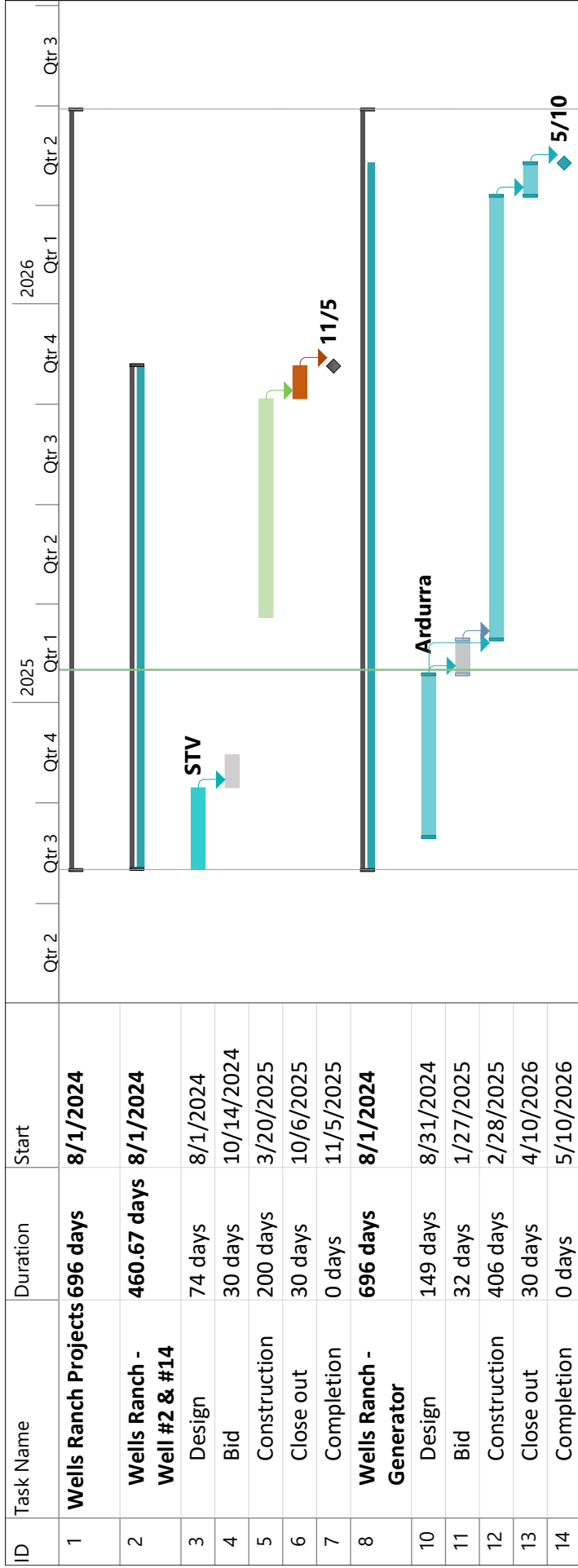
- » Kerry Averyt adjourned the meeting at 11:15 AM.

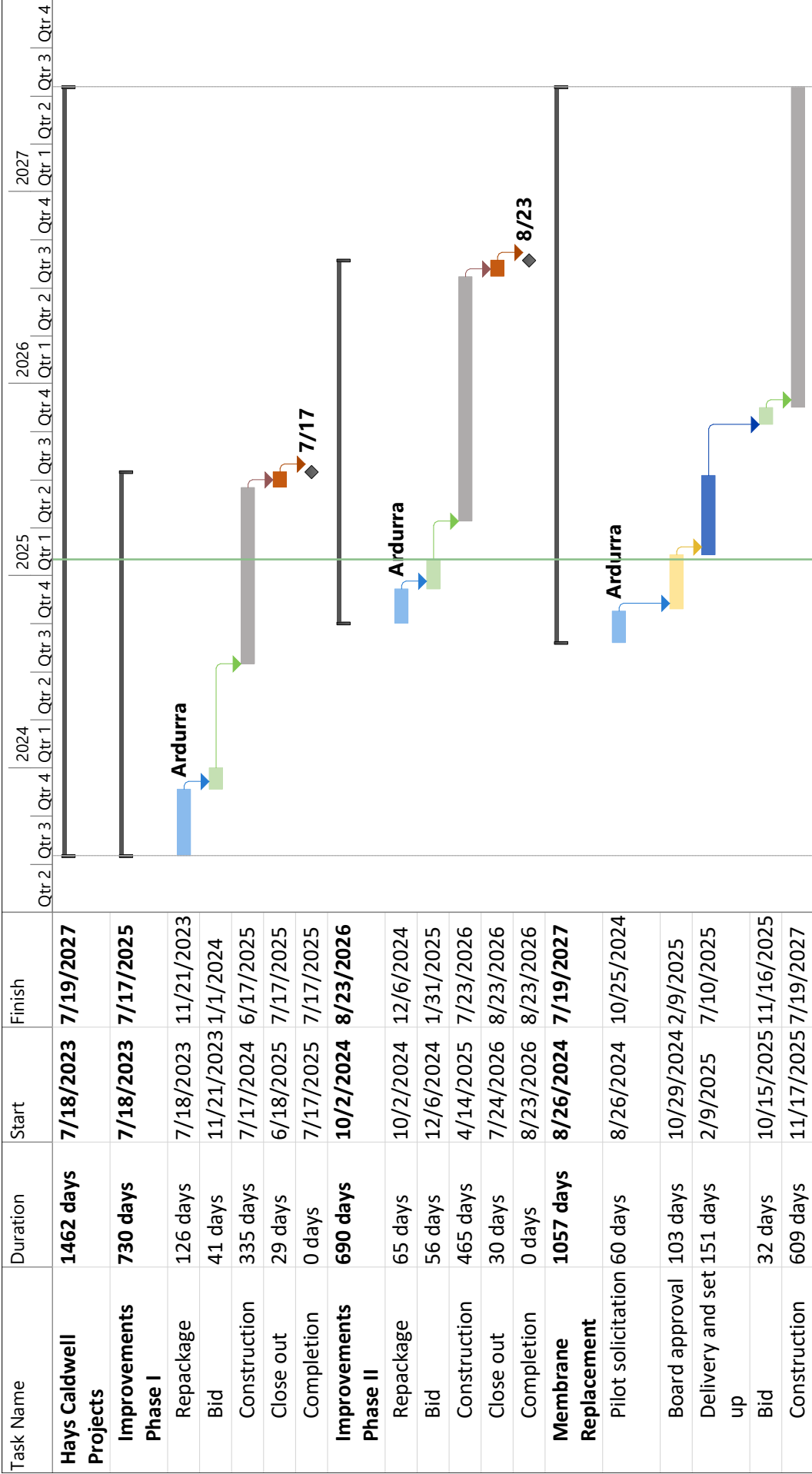
Lake Dunlap Water Treatment Plant



Project: Lake Dunlap Timeline
Date: 1/31/2025

Task	Inactive Task	Inactive Milestone	Manual Summary Rollup	External Milestone
Split	◆	Manual Summary	Deadline
Milestone	◆	Inactive Summary	Start-only	Progress
Summary	▬	Manual Task	Finish-only	Manual Progress
Project Summary	▬	Duration-only	External Tasks	

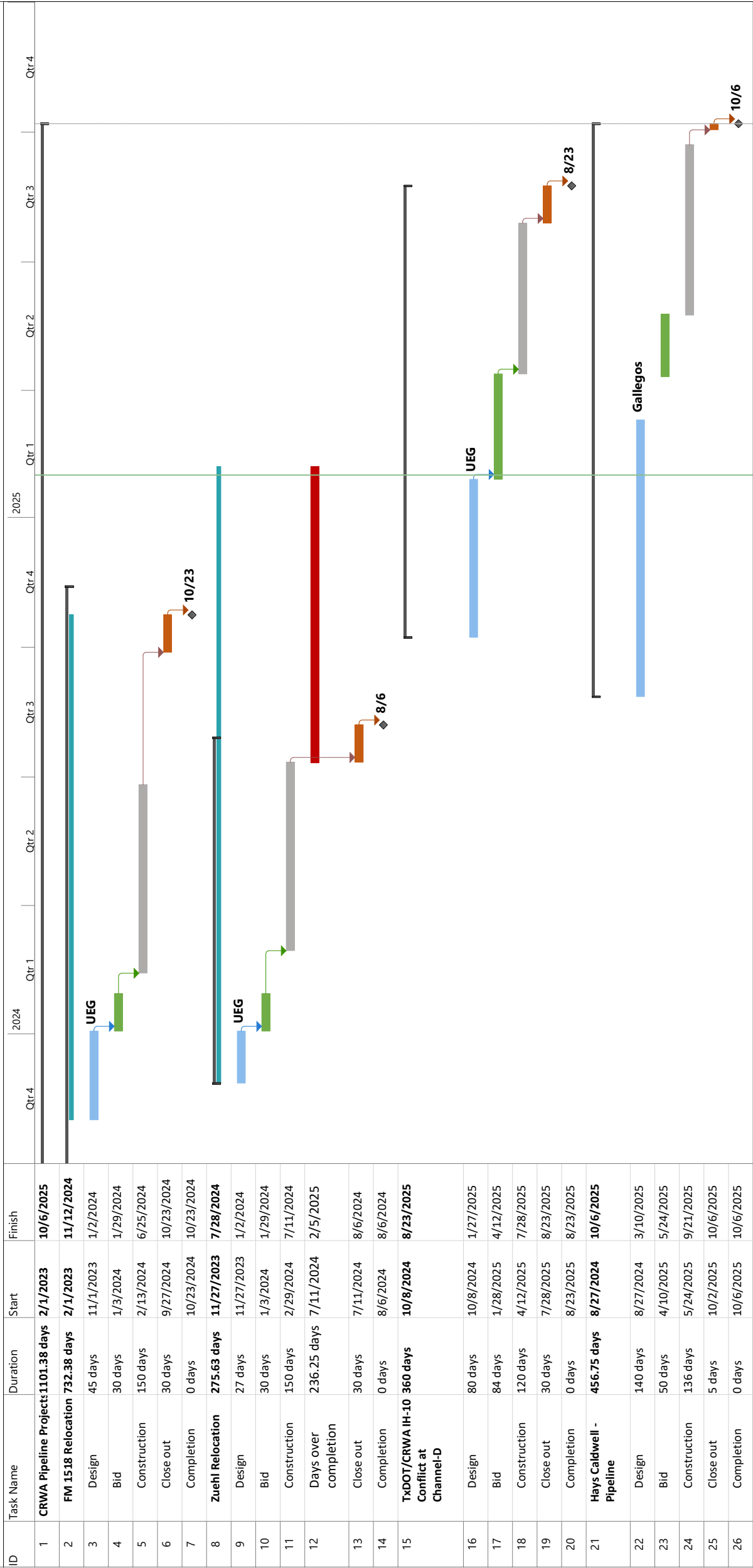




Task	Inactive Summary	External Tasks
Split	Manual Task	External Milestone
Milestone	Duration-only	Deadline
Summary	Manual Summary Rollup	Progress
Project Summary	Manual Summary	Manual Progress
Inactive Task	Start-only	
Inactive Milestone	Finish-only	

Project: Hays Caldwell Timeline
Date: 1/31/2025

CRWA Pipeline Projects



Project: CRWA Pipeline Projects
Date: 1/31/2025

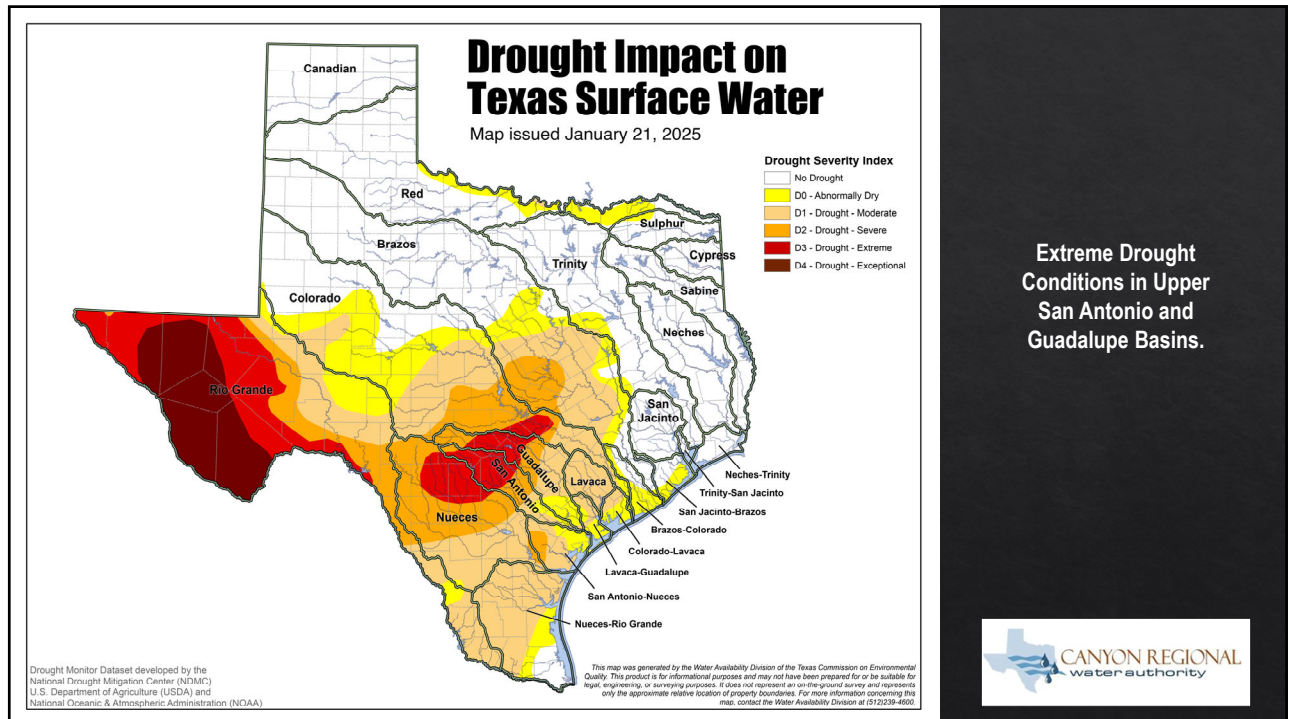
	Task		Manual Task		Start-only		Deadline
	Split		Duration-only		Finish-only		Progress
	Milestone		Manual Summary Rollup		External Tasks		Manual Progress
	Summary		Manual Summary		External Milestone		

CRWA
Board of Managers
Drought Report

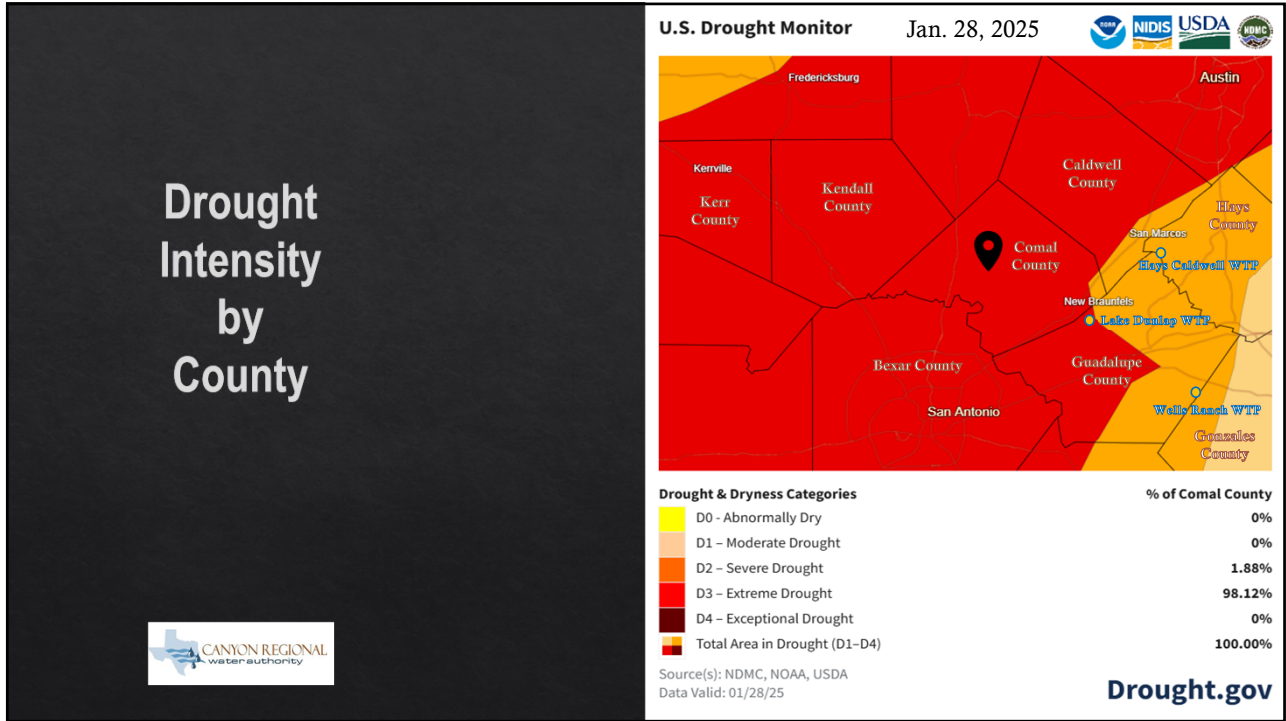
February 5, 2024



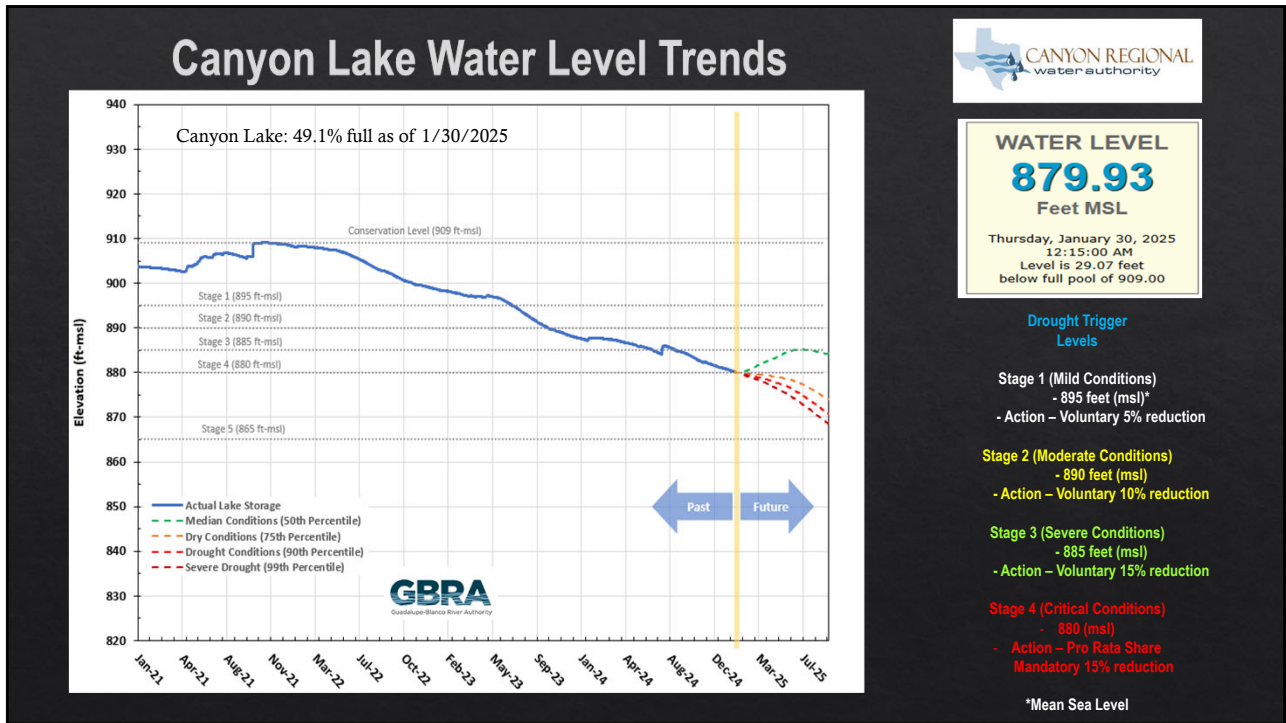
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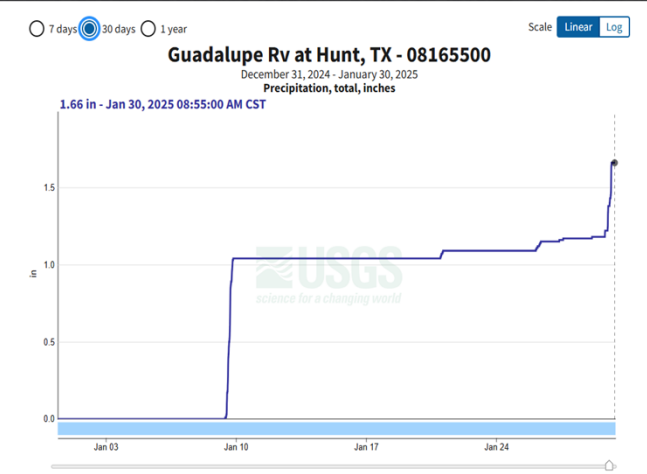
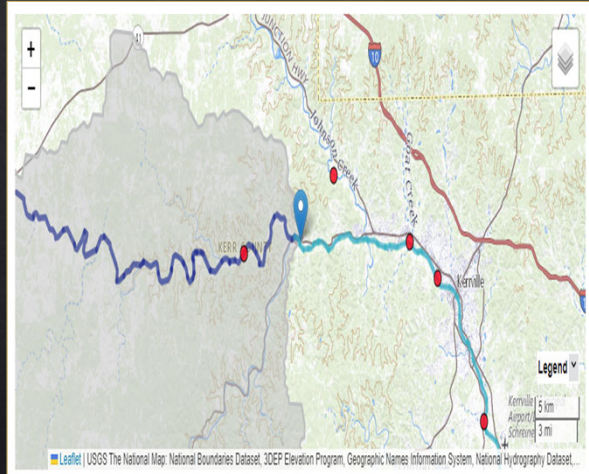


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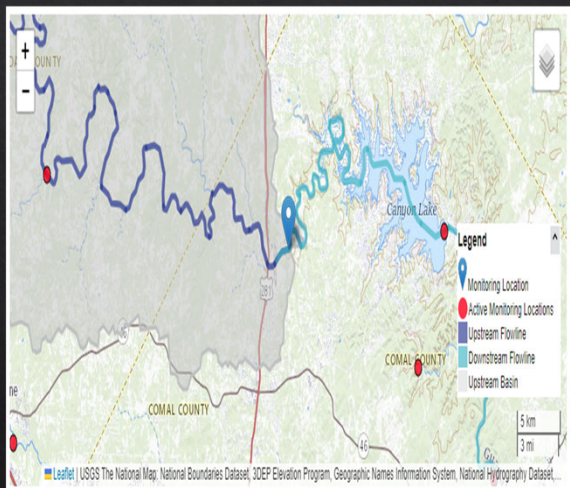
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Precipitation above Canyon Lake – Kerr County



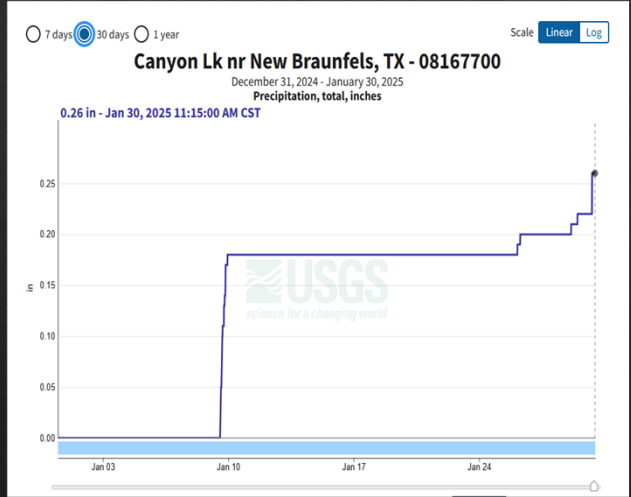
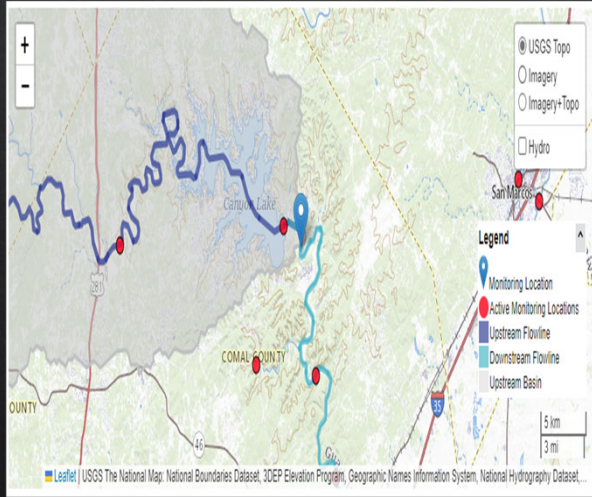
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Canyon Lake In-Flow (ft³/s)



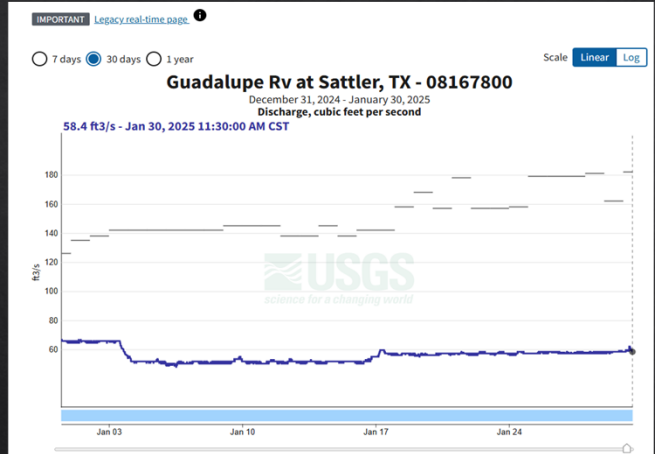
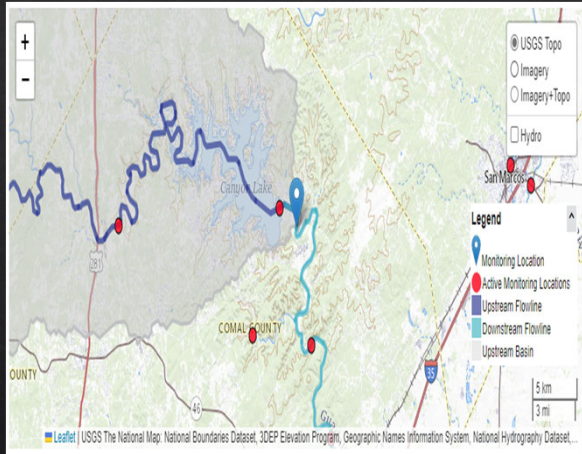
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Precipitation below Canyon Lake



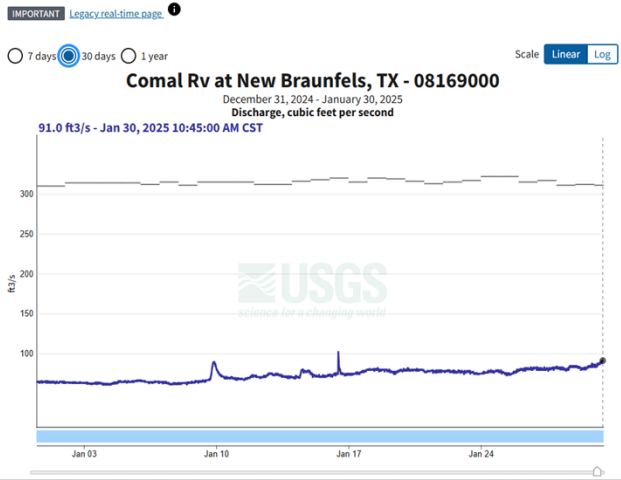
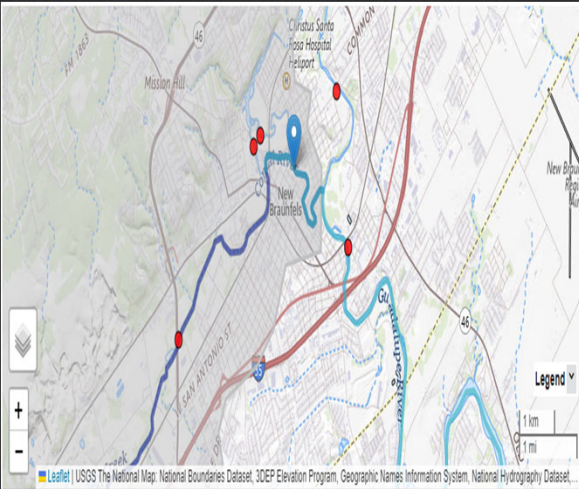
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Canyon Lake Out-Flow (ft³/s)



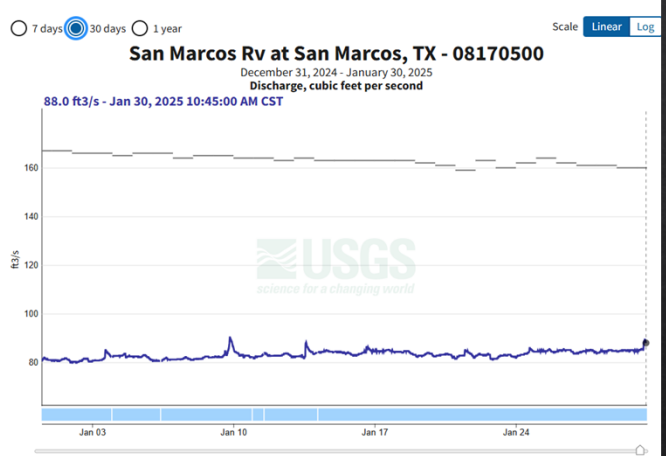
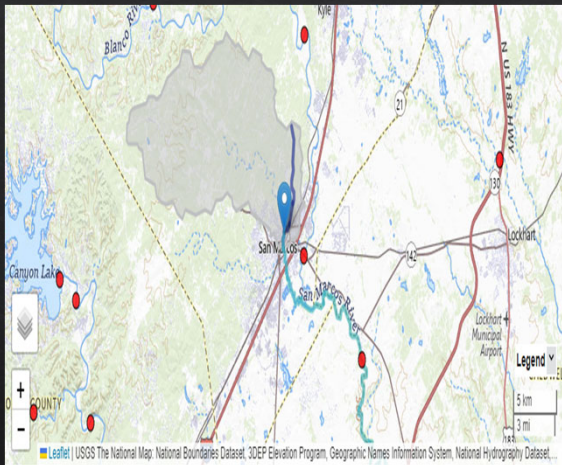
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Comal River Flow (ft³/s)



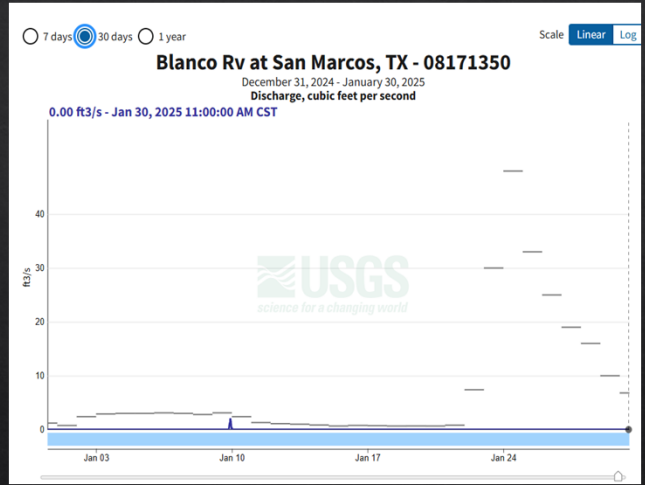
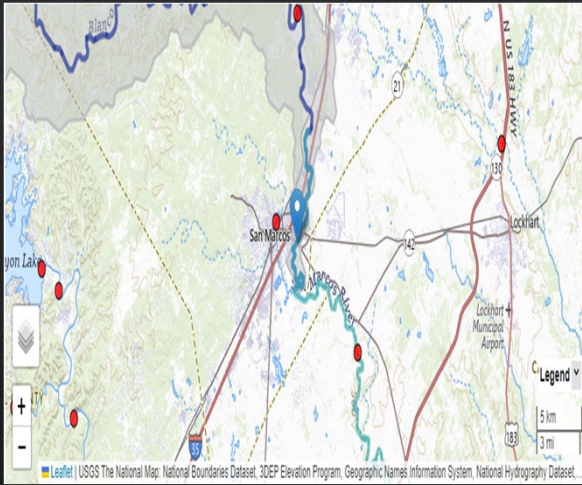
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San Marcos Spring Flow (ft³/s)



10

Blanco River Flow at San Marcos (ft³/s)



11



12




1

Project Updates

HC WTP Facility Improvements:

- Phase 1 Construction Status
 - Received 69 submittals and 67 have been reviewed and returned.
 - Received 6 RFIs and all have been reviewed and returned.
 - Attended monthly construction meetings.
 - Reviewed and processed pay applications.



2

Project Updates

HC WTP Facility Improvements:

- Phase 2 Improvements Bidding Schedule
 - Addressed bidder questions and issued six addenda.
 - Bid opening will be on Jan 31, 2025.



3

Project Updates

HC WTP Membrane Replacement Project:

- The pilot SOQ was received on September 23, 2024.
- Ardurra completed review of SOQ packages received.
- Awaiting CRWA decision on membrane suppliers for piloting.



4

Project Updates

Wells Ranch II Emergency Generator Improvements:

- Held 100% review meeting on 1/9/2025 to go over any final plans and specification comments.
- Submitted Draft final bid-ready set on 1/17/2025.
- Will advertise on 1/27/2025 and bid opening will be on 2/28/2025.



5

Project Updates

TWDB DWSRF Application:

- Project Information Form (PIF) submitted on March 1, 2024.
- Two separate PIFs, one for HC WTP Expansion (Phase 2 +Membrane), and one for Pipeline.
- Both projects are on TWDB Intended Use Plan list.



6



Questions?

Project Status Report to Canyon Regional Water Authority

Reporting Date: January 23rd, 2025

Project Name: Hays / Caldwell Water Treatment Plant Improvements, Phase 1

Project Manager: Julie Hastings, P.E. **Lead Technical Professional:** Christopher Weeks, P.E.

Construction Administrator: Cobb, Fendley & Associates, Inc.

Design Consultant: Ardurra Group, Inc.

General Contractor: DN Tanks, L.L.C.

Overall Scope of Work on this Project:

1. Construct one new 1.0 MG post-tensioned concrete Finished Water Ground Storage Tank.
2. Provide site grading; drainage swales; driveway culverts; a bio-retention cell with associated piping and vegetation; chain link fencing with gates; and site restoration.
3. Install yard piping modifications and improvements.
4. Construct driveway and roadway improvements.
5. Provide miscellaneous civil site improvements including site demolition, erosion control, and concrete foundations.
6. Provide miscellaneous electrical and instrumentation / controls improvements at the WTP.

Construction Schedule:

The General Contractor's Schedule for Construction of the Ground Storage Tank and associated appurtenances is provided for review as Attachment No. 1A to this Project Status Report. It was updated by the Contractor on December 12th, 2024. Additionally, a "Three-Week Look Ahead Schedule" that was issued by the Contractor on January 20th, 2025, is provided for review as Attachment No. 1B to this Project Status Report.

Completed Work Items To-Date (General):

- Poured cast-in-place concrete Floor Structure.
- Continued pours of cast-in-place concrete Wall and Roof Dome Panel Structures

Near-Term Scheduled Work Items (General):

- Strip panels / beams and plywood from concrete Wall and Roof Dome Panel Structures.
- Abrasive blasting of Wall and Roof Dome Panel Structures.
- QC Shoring and prepare for erection of Panel Structures.
- Erect Panel Structures.
- Prepare for Wall slots; hang P-Brackets; form Dome slots.
- Hang Wall slots.
- Finish P-Brackets; install handrails; form Dome ring.
- Form Dome slots; reinforce slots and Dome ring.
- Pour Wall slots and Dome ring.

Summary of Geotechnical Testing and Analysis completed To-Date:

- Classification and Testing of Flexible Base for use in construction of Streets (Including: Moisture-Density Relationship Test; Sieve Analysis; Atterberg Limits).
- Classification and Testing of General Fill Material for use in construction of Pad beneath Tank Foundation Structure (Including: Moisture-Density Relationship Test; Sieve Analysis; Atterberg Limits).

No Change Since Last Report.

Summary of Notes from Field Inspections completed To-Date:

- Contractor poured concrete for floor slab structure; eighteen trucks total were required for delivery of concrete mix.
 - Contractor began pours of concrete wall panels and dome roof panels.
-

Site Photos of Work Items completed To-Date:

The Site Photos of work items completed for construction of the Ground Storage Tank and associated appurtenances since the last reporting period are provided within a group for review as Attachment No. 2 to this Project Status Report.

Monthly Construction Progress Meeting:

- Construction Progress Meeting No. 03 was held virtually on January 9th, 2025, as an MS Teams Meeting. A copy of the Minutes from that meeting is provided for review as Attachment No. 3 to this Project Status Report.
-

San Marcos, TX (CRWA) - 1.0MG - Schedule Update 12-12-2024										DN Tanks, LLC										11-Dec-24 14:58									
Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Actual Start	Actual Finish	July 2024	August 2024	September 2024	October 2024	November 2024	December 2024	January 2025	February 2025	March 2025	April 2025	May 2025	June 2025	July 2025	August 2025	September 2025	October 2025						
1 - Administration/ Submittals/ Engineering																													
A2330	Contract Duration 365 Days	353	162	17-Jul-24 A	28-Jul-25	17-Jul-24	17-Jul-24	01	08	15	22	29	05	12	19	26	02	09	16	23	30	06	13	20	27				
A3230	Obtain FAA Permit	365	217	17-Jul-24 A	16-Jul-25	17-Jul-24	17-Jul-24	01	08	15	22	29	05	12	19	26	02	09	16	23	30	06	13	20	27				
A3230	Obtain FAA Permit	24	0	17-Jul-24 A	06-Aug-24 A	17-Jul-24	06-Aug-24																						
A2350	Notice to Proceed	0	0	17-Jul-24 A	17-Jul-24	17-Jul-24	17-Jul-24																						
A2820	Administrative - Subcontracts Contract Preparation/ Execution	30	0	17-Jul-24 A	01-Oct-24 A	17-Jul-24	01-Oct-24																						
A2210	Tank Final Design Submittal	30	0	01-Aug-24 A	03-Oct-24 A	01-Aug-24	03-Oct-24																						
A2830	Obtain SWPPP Permit	30	0	23-Aug-24 A	23-Aug-24 A	23-Aug-24	23-Aug-24																						
A2220	Tank Final Design Submittal Review Approval	12	0	04-Oct-24 A	22-Oct-24 A	04-Oct-24	22-Oct-24																						
A3180	Punchlist	22	22	04-Jun-25	15-Jul-25																								
A3440	Projected Substantial Completion	0	0		09-Jun-25																								
A3430	Contractual Substantial Completion Date 06/16/2025	0	0		16-Jun-25*																								
A2340	Contractual Final Completion 7/16/2025	0	0		16-Jul-25*																								
A3170	Projected Final Completion	0	0																										
2 - Procurement																													
A2230	Keeley Procure Tank Underslab/ Yard Pipe	126	20	23-Sep-24 A	27-Jan-25	23-Sep-24	23-Sep-24																						
A3420	Keeley Procure Valves	128	20	08-Oct-24 A	27-Jan-25	08-Oct-24	08-Oct-24																						
3 - Site Work																													
A2770	Install SWPPP	4	0	26-Aug-24 A	26-Aug-24 A	26-Aug-24	26-Aug-24																						
A3380	Remove Existing Fence	2	0	26-Aug-24 A	27-Aug-24 A	26-Aug-24	27-Aug-24																						
A2880	Tank Excavation to Subgrade	10	0	30-Aug-24 A	30-Aug-24 A	30-Aug-24	30-Aug-24																						
A3400	Remove & Re-Compact 3'-0" of Native Soil	8	0	04-Sep-24 A	11-Sep-24 A	04-Sep-24	11-Sep-24																						
A3220	Install Select Fill	10	0	12-Sep-24 A	13-Sep-24 A	12-Sep-24	13-Sep-24																						
A2960	Install / Grade Leveling Base	5	3	14-Sep-24 A	17-Dec-24	14-Sep-24	17-Dec-24																						
A1900	Install GST Laydown / Casting / Winding Track	10	0	17-Sep-24 A	20-Sep-24 A	17-Sep-24	20-Sep-24																						
A3370	Install Underslab Piping	5	3	20-Nov-24 A	17-Dec-24	20-Nov-24	17-Dec-24																						
A3360	Remove Existing Trees	3	3	12-Dec-24	17-Dec-24																								
A3390	Remove Existing H/MAC	2	2	18-Dec-24	19-Dec-24																								
A3350	Remove Existing Pavement Drive	8	8	20-Dec-24	13-Jan-25																								
A3280	CRWA-TW-A1	8	8	02-Apr-25	16-Apr-25																								
A3290	CRWA-TW-A2	4	4	16-Apr-25	23-Apr-25																								
A3300	CRWA-TW-B1	6	6	23-Apr-25	02-May-25																								
A3330	Concrete Pavement at Gate	8	8	29-Apr-25	12-May-25																								
A3310	CRWA-TW-B2	2	2	02-May-25	07-May-25																								
A3320	CRWA-EQ	4	4	07-May-25	14-May-25																								
A3340	Gravel Pavement	8	8	14-May-25	29-May-25																								
A3410	Tank Backfill	4	4	14-May-25	21-May-25																								
A2870	Install Overflow Structure & Rip Rap Channel	10	10	21-May-25	09-Jun-25																								
A2900	Site Restoration	8	8	10-Jun-25	23-Jun-25																								
A3200	Temp Irrigation Install	2	2	24-Jun-25	26-Jun-25																								
A3190	Hydroseeding	2	2	27-Jun-25	01-Jul-25																								
A3210	Establish Vegetation	13	13	02-Jul-25	28-Jul-25																								
4 - Tank Construction																													
A1140	DN Tanks Mobilize & Setup Jobsite	84	88	06-Dec-24 A	29-May-25	06-Dec-24	06-Dec-24																						
A1160	Mill Lumber	3	1	06-Dec-24 A	13-Dec-24	06-Dec-24	06-Dec-24																						
A1170	Build Casting Beds	4	4	10-Dec-24 A	18-Dec-24	10-Dec-24	18-Dec-24																						
A1180	Install Footing Form	4	4	19-Dec-24	03-Jan-25																								
A1190	Install Floor Footing Reinforcing	2	2	19-Dec-24	23-Dec-24																								
A1220	Seam Diaphragm	4	4	23-Dec-24	08-Jan-25																								
A1220	Seam Diaphragm	2	2	23-Dec-24	03-Jan-25																								

Remaining Level of Effort

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

Milestone

Summary

Revision		Date	
Baseline Schedule Update - 12-12-2024	Checked	12-Dec-24	Approved

San Marcos, TX (CRWA) - 1.0MG - Schedule Update 12-12-2024		DN Tanks, LLC												11-Dec-24 14:58											
Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Actual Start	Actual Finish	July 2024	August 2024	September 2024	October 2024	November 2024	December 2024	January 2025	February 2025	March 2025	April 2025	May 2025	June 2025	July 2025	August 2025	September 2025	October 2025		
A1230	Form/Pour Strip Wall & Dome Panels	10		06-Jan-25	23-Jan-25			01	08	15	22	29	05	12	19	26	02	09	16	23	30	06	13	20	27
A1200	Install Waterstop / QC Floor	2		08-Jan-25	13-Jan-25																				
A1210	Pour Floor	1		13-Jan-25	14-Jan-25																				
A1240	Layout & Erect Dome Shoring	4		14-Jan-25	22-Jan-25																				
A1250	Erect Wall & Dome Panels	4		23-Jan-25	30-Jan-25																				
A1260	Erect Wall Slots	2		30-Jan-25	03-Feb-25																				
A1270	Pour Wall Slots	1		04-Feb-25	05-Feb-25																				
A2250	Place Dome Ring Concrete	1		05-Feb-25	06-Feb-25																				
A2270	Strip Dome Ring	2		06-Feb-25	10-Feb-25																				
A1280	Shoot Corewall	2		11-Feb-25	13-Feb-25																				
A1290	Wirewind Dome Ring	3		11-Feb-25	14-Feb-25																				
A1300	Wirewind Wall Pre-Cove	3		14-Feb-25	20-Feb-25																				
A1310	Strip Shoring	4		20-Feb-25	27-Feb-25																				
A1000	Prepare and Pour Cove	2		27-Feb-25	04-Mar-25																				
A1330	Wirewind Wall Post Cove	4		04-Mar-25	11-Mar-25																				
A1340	Shoot Covercoat/ Nozzle Finish	4		11-Mar-25	18-Mar-25																				
A1350	Prep/Apply Tamms Coating to Dome and Walls	4		18-Mar-25	25-Mar-25																				
A1360	Install Appurtenances	3		25-Mar-25	28-Mar-25																				
A1970	Tank Crew Load Out and Demobilize	2		31-Mar-25	02-Apr-25																				
A3070	Disinfect/ Fill & Leak Test Tank	8		14-May-25	29-May-25																				
5 - Electrical		25		02-Apr-25	15-May-25																				
A2570	Ductbank to PLC	4		02-Apr-25	09-Apr-25																				
A3240	Tank Level Transmitter and Sensor Install	2		02-Apr-25	04-Apr-25																				
A2360	Ductbank to Fence & Gate Operator	6		09-Apr-25	18-Apr-25																				
A2560	Install Grounding Ring	5		09-Apr-25	17-Apr-25																				
A2550	Electrical Control Panel at Tank	10		17-Apr-25	06-May-25																				
A3250	Ductbank to Keypad 1	2		21-Apr-25	23-Apr-25																				
A3260	Ductbank to Keypad 2	2		24-Apr-25	28-Apr-25																				
A3270	Installation of Keypad 1 & 2	2		13-May-25	15-May-25																				
6 - Existing Tank Retrofit		12		02-Apr-25	23-Apr-25																				
A2970	Install 24" Penetrations	12		02-Apr-25	23-Apr-25																				
7 - Fence Installation		35		02-Apr-25	04-Jun-25																				
A2320	Fence Installation	25		02-Apr-25	15-May-25																				
A3090	Install Gate and Operator	10		15-May-25	04-Jun-25																				

Remaining Level of Effort
 Actual Level of Effort
 Actual Work
 Remaining Work
 Critical Remaining Work
 Milestone
 Summary

Date	Revision	Checked	Approved
12-Dec-24	Baseline Schedule Update - 12-12-2024		

ATTACHMENT NO. 1B

Job Name: San Marcos, TX (CRWA)
Job Number: 20213-122
Tank Size: 1.0 MG
Super: Don Fugate
Substantial: 6/22/2025

DN Tanks = GC

ID: 85 **SWD:** 24.5

VP/CM: Jason Phillippi
PM: Rey Moreno
PE: Preston Sidwell
PA: Yamil Rayo

Completion Date: 7/16/2025

DESCRIPTION OF WORK - CURRENT WEEK	THA REQUIRED	1/20	1/21	1/22	1/23	1/24	1/25	EST. COMP. DATE	
		MON	TUE	WED	THU	FRI	SAT		
Holiday		H							
FRP 5th Round/Shoring/Beams and plywood	Precast wall and dome panel concrete	O	8						
FRP 6th Round/Shoring/Beams and plywood	Precast wall and dome reinforcing	L		8					
FRP 7th rround/form over flow Encasement		I			8				
FRP 8th rround/pour over flow Encasement		D				8			
Strip panels/Beams and plywood	Precast wall and dome form stripping	A					6		
		Y							
Reinforcement (SUB) walls and domes	Floor slab edge reinforcing		X	X	X	X			
Concrete Testing Lab (Atlas)			X	X	X	X			
CREW TOTALS EACH WORKING DAY		0	8	8	8	8	6		
DESCRIPTION OF WORK - 1 WEEK LOOK AHEAD	THA REQUIRED	1/27	1/28	1/29	1/30	1/31	2/1	EST. COMP. DATE	
		MON	TUE	WED	THU	FRI	SAT		
Strip panels/Abrasive Blasting	Abrasive blasting	6							
Abrasive Blasting/QC Shoring/Prep for Panel Erection	Using aerial lifts, scissor lifts		6						
Panel Erection	Wall panel erection			6					
Panel Erection	Dome panel erection				6				
Panel Erection						6			
Crane Mob			X	X	X	X			
Crane De- mob							X		
CREW TOTALS EACH WORKING DAY		6	6	6	6	6	0		
DESCRIPTION OF WORK - 2 WEEK LOOK AHEAD	THA REQUIRED	2/3	2/4	2/5	2/6	2/7	2/8	EST. COMP. DATE	
		MON	TUE	WED	THU	FRI	SAT		
Prep- for wall slots /Hang P - brackets/ Form Dome slots	Using aerial lifts, scissor lifts	6							
Hang wall slots	Prepared and forming wall slots		6						
Finish P- brackets/Install Hand rail/Form Dome Ring	Preparing and forming domering			6					
Dome Ring/ Form Dome slot/Reinforce slots & Dome Ring					7				
Pour Wall slos/Dome Ring	Wall slot concrete pour					7			
CREW TOTALS EACH WORKING DAY		6	6	6	7	7	0		
Note: Will need Crane onsite on 1/28/25 ... And Crane for wall slots on 2/24 Will need DNT pump OPERATOR ON 2/6/25									
A.P.S.P	Concrete & Concrete Pumping Proce	DATE	1/13	Safety Inspection	DATE	1/14	Aerial /Scissor Lift	DATE	1/24
QC HUDDLES	Pour Floor	DATE	1/13	Precast Walls	DATE	1/14		DATE	
PHOTOS TAKEN	QC PHOTOS	DATE		RENTAL EQUIPMENT	DATE		MISC. PHOTOS	DATE	
	Pipe Pit Photos on	DATE	12/16	1st Boom Lift 1000lb -40'	DATE	1/22			
DELIVERIES	Fabrication's	DATE	1/21	# 2 Single - 32' ELEC, Push lifts	DATE	1/28	Stessometer	DATE	2/12
	Winding Equipment/DNT Pump	DATE	2/5						
EQUIPMENT	RENTAL	DATE		RENTAL	DATE		MISC. EQUIPMENT	DATE	
	Air Compressor	DATE	1/24	Loader	DATE	2/12	Air monitor	DATE	1/30
TRAINING / MANPOWER NOTES									
MANPOWER	FRIDAY'S CREW SIZE:	0		Crew Size					
		0	Carpenter	6	0	Laborer			
TANK MILESTONES	<u>MILESTONE (REQUIRED)</u>	<u>DATE:</u>	<u>DAYS:</u>	<u>MILESTONE (REQUIRED)</u>	<u>DATE:</u>	<u>DAYS:</u>	<u>MILESTONE (REQUIRED)</u>	<u>DATE:</u>	<u>DAYS:</u>
	Complete Pouring Panels	1/24	1B	Start Panel Erection	1/29	1B	Tamms	3/11	0B
	<u>MILESTONE</u>	<u>DATE:</u>	<u>DAYS:</u>	<u>MILESTONE</u>	<u>DATE:</u>	<u>DAYS:</u>	<u>MILESTONE</u>	<u>DATE:</u>	<u>DAYS:</u>
	Complete Panel Erection	1/31	1/B	Pour WS and DR	2/7	0B	Demob	3/19	0B

ATTACHMENT NO. 2



2A – Concrete Pump Truck delivering concrete to Tank Floor Structure.



2B – Completed pour of concrete at Tank Floor Structure.



2C – Aerial overhead view of completed concrete pour at Tank Floor Structure.



2D – Aerial side view of completed concrete pour at Tank Floor Structure.

ATTACHMENT NO. 2



2E – Aerial side view of completed concrete pour at Tank Floor Structure (submerged in water for cure).



2F – Form with steel panel and reinforcing steel for casting of Wall Panel.



2G – Ground level view (a) of Tank Floor Structure, including water stop material at Floor perimeter.



2H - Ground level view (b) of Tank Floor Structure, including water stop material at Floor perimeter.



21 – Screeding and floating of concrete for Wall Panel pieces.



2J – Floating and finishing of concrete for Wall Panel pieces.



2K – Stacked Dome Roof Panel pieces.



2L – Concrete pour at reinforced Dome Roof Panel piece.



2M – Spreading and vibration of concrete at reinforced Dome Roof Panel piece.



2N – Screeding of concrete at Dome Roof Panel piece.



20 – Troweling concrete at Dome Roof Panel piece.



2P – Concrete Test Cylinders in controlled environment storage for cure prior to compression strength testing.



Hays Caldwell WTP Improvements Project – Phase 1 (1.0 MG Ground Storage Tank and Appurtenances)

Construction Progress Meeting No. 03 Minutes

January 9th, 2025 – 9:00 AM Virtual Meeting with MS Teams

1. Attendance Sign-In Sheet

- A Virtual Attendance Sign-In Sheet for Construction Progress Meeting No. 03 is attached to this document.

2. Review and Comment on Previous Construction Progress Meeting Minutes

- The minutes from the previous construction progress meeting were reviewed. No additional comments on, or revisions to, the minutes from the previous construction progress meeting were noted.

3. General Issues / Announcements

- DN Tanks personnel noted that recent concrete pours have been made difficult because of water temperatures within the local concrete batch plant.

4. Construction Progress Since Last Monthly Meeting

- Tank Foundation subgrade was completed, and gravel was compacted in place.
- DN Tanks personnel were underway with construction of forms for the cast-in-place concrete tank segments.
- Sand and reinforcing steel were delivered to the job site.
- Beds have been made ready to start casting.
- Dome Sections have rebar in them and are ready to pour.
- Steel workers are scheduled to be back on Monday, the 13th of January.
- All the shoring and beams for the shoring have been delivered to the jobsite.
- Tank Construction Project will be ready to proceed once the foundation slab is poured.

5. Three Week Look-Ahead Construction Plan

- Milling lumber and building the casting beds.
- Installing footing forms.
- Installing the seam diaphragms.
- Forming and pouring the strip wall and dome panels.
- Preparing for QC inspection of the floor.
- Pouring concrete within the floor and slab structure.
- Regrading the track area.
- Backfilling around the slab six inches down and leveling the area.

6. Overall Construction Schedule Overview

- Used 176 days of 365 days Contract time, which equates to 48.2%.
- NTP: July 17th, 2024
- Contract Substantial Completion Date: June 16th, 2025.
- Scheduled Contract Final Completion Date: July 16th, 2025

- The project is approximately 3 days behind schedule due to inclement weather in the work area.
- A copy of the Three Week Look-Ahead Schedule as provided by DN Tanks to CobbFendley is attached to these Minutes for review and consideration.

7. Quality Control

- Hydrostatic test reports for pipe assemblies were submitted to the Engineer of Record. DN Tanks will send the reports to CobbFendley and Associates. [Action Item]
- DN Tanks will copy CobbFendley and Associates on future Reports to expedite the submittal process. [Action Item]

8. Submittals and Submittal Log

- To date, 67 Submittals have been received and 5 Submittals have been returned for revision. 2 Submittals are currently under review, and 1 Submittal has been acknowledged for receipt by the Engineer of Record. Specific Submittal Documents were discussed during the meeting, as listed below.
- Level Instruments.
- Electrical Heat Trace.
- DN Tanks is awaiting a color selection for the Tank coating system.
- A copy of the Submittal Review Log as provided by Ardurra to CobbFendley is attached to these Minutes for review and consideration.

9. RFIs / Contract Clarifications

- To date, 6 total RFIs have been received. 0 RFIs currently are under review.
- No pending RFIs were identified by DN Tanks.
- A copy of the RFI Review Log as provided by Ardurra to CobbFendley is attached to these Minutes for review and consideration.

10. Contract Modifications and Change Orders

- To date, no Contract Modifications have been identified / executed.

11. Pay Applications

- Pay Application No. 3: The Engineer of Record informed CobbFendley that the American Iron and Steel Certification Documents and Davis-Bacon Wage Rate Certification Forms are not required to be submitted by the Contractor with pay requests for this project. This Pay Application has been submitted to CRWA for processing and payment.
- Per Supplemental Condition 14.1.5, retainage shall be 10% for the first 50 percent of the work completed. After 50 percent of the work has been completed, it is up to the discretion of the OWNER whether to withhold retainage and, if retainage is withheld the OWNER shall pay interest on the amount withheld. CRWA and the Engineer of Record will be required to reconcile the deficiency in retainage withheld on previous pay applications and make sure an appropriate amount is withheld on future pay applications.
- CobbFendley proposed to DN Tanks the following question: If CRWA withheld 5% of payment from the beginning and for the duration of the project (even after more than 50% of the total work was completed), would DN Tanks request payment of interest from CRWA for the amount withheld? DN Tanks replied that they would not pursue interest payments on the 5% amount withheld by CRWA until completion of the project.
- CRWA will send an email to the Engineer of Record to explain resolution of the retainage amount issue. [Action Item]
- Pay Application No. 4: Received in December and sent to Inspector on January 3rd

for review and comment. CobbFendley sent review comments and request for revision to DN Tanks on January 10th, 2025.

12. Safety / Security Issues

- No safety or security issues were reported since last meeting.
- DN Tanks confirmed that they will continue to run a safe and organized job site.
- DN Tanks will post “Work Entrance” signs on both sides of the entrance within the Security Fence at the jobsite. [Action Item]

13. Risk Management

- No new or existing risks were identified other than the weather. DN Tanks confirmed that they have a Safety Plan in place for work at the jobsite.

14. Problem, Conflicts, or Claims of Changed Conditions

- No problems, conflicts, or claims were identified.

15. As-Builts / Close Out Items

- A reminder was given that “Red Line” markups need to be submitted with the Pay Requests so that the Design Engineer can start developing the Project Record Drawings. DN Tanks confirmed that they will submit those.

16. Action Items/ Open Discussion

- No additional items were discussed.

17. Adjournment

- The meeting was adjourned at approximately 9:45 AM.
- **Next Scheduled Meeting – February 13th, 2025**



Hays Caldwell WTP Improvements Project – Phase 1 (1.0 MG Ground Storage Tank and Appurtenances)

Construction Progress Meeting No. 03

January 9th, 2025

SIGN-IN SHEET

PRINTED NAME	ORGANIZATION	PHONE NUMBER	EMAIL ADDRESS	SIGNATURE (IF IN ATTENDANCE)
1.Christopher Weeks	CobbFendley	(512) 834-4335	Christopher.Weeks@cobbfendley.com	Virtual Attendee
2.Jason Phillippi	DN Tanks	(817) 475-5267	Jason.phillippi@dn tanks.com	Virtual Attendee
3.Preston Sidwell	DN Tanks	(214) 970-5215	Preston.sidwell@dn tanks.com	Virtual Attendee
4.Rey Moreno	DN Tanks	(469) 625-8038	Reynaldo.moreno@dn tanks.com	Virtual Attendee
5.Don Fugate	DN Tanks	(781) 557-8533	Don.fugate@dn tanks.com	Virtual Attendee
6.Yue Sun	Ardurra	(713) 208-9463	ysun@ardurra.com	Virtual Attendee
7.Celine Nicolas	Ardurra	(832) 419-6658	cnicolas@ardurra.com	Virtual Attendee
8.David McMullen	CRWA	(512) 581-8544	mcmullen@crwa.com	Virtual Attendee
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				

Job Name: San Marcos, TX (CRWA)
 Job Number: 20213-122
 Tank Size: 1.0 MG
 Super: Don Fugate
 Substantial: 6/22/2025

DN Tanks = GC

ID: 85 SWD: 24.5

Completion Date:

7/16/2025

VP/CM: Jason Phillippi
 PM: Rey Moreno
 PE: Preston Sidwell
 PA: Yamil Rayo

DESCRIPTION OF WORK - CURRENT WEEK	THA REQUIRED	1/13	1/14	1/15	1/16	1/17	1/18	EST. COMP. DATE
		MON	TUE	WED	THU	FRI	SAT	
Pour floor	Floor slab and footing concrete pour	8						
FRP 1ST Round/Strip footing/Shoring	Precast wall and dome panel concrete		8					
FRP 2nd Round/Shoring	Using aerial lifts, scissor lifts			8				
FRP 3rd Round/Shoring	Shoring tube and coupler w/guy wire assembly				8			
FRP 4th Round/Shoring						8		
Reinforcement (SUB) walls and domes	Floor slab edge reinforcing			X	X	X		
Concrete Testing Lab (Atlas)		X	X	X	X	X		
CREW TOTALS EACH WORKING DAY		8	8	8	8	8	0	

DESCRIPTION OF WORK - 1 WEEK LOOK AHEAD	THA REQUIRED	1/20	1/21	1/22	1/23	1/24	1/25	EST. COMP. DATE
		MON	TUE	WED	THU	FRI	SAT	
Holiday		H						
FRP 5th Round/Shoring/Beams and plywood	Precast wall and dome panel concrete	O	6					
FRP 6th Round/Shoring/Beams and plywood		L		6				
FRP 7th rround/form over flow Encasement		I			6			
FRP 8th rround/pour over flow Encasement	Using aerial lifts, scissor lifts	D				6		
		A						
Reinforcement (SUB) walls and domes		Y	X	X	X	X		
Concrete Testing Lab (Atlas)			X	X	X	X		
CREW TOTALS EACH WORKING DAY		0	6	6	6	6	0	

DESCRIPTION OF WORK - 2 WEEK LOOK AHEAD	THA REQUIRED	1/27	1/28	1/29	1/30	1/31	2/1	EST. COMP. DATE
		MON	TUE	WED	THU	FRI	SAT	
Strip panels/Beams and plywood	Precast wall and dome form stripping	6						
Strip panels/Abrasive Blasting	Abrasive blasting		6					
Abrasive Blasting/QC Shoring/Prep for Panel Erection	Cranes			6				
Panel Erection	Wall panel erection				6			
Panel Erection	Dome panel erection					6		
							6	
Crane Mob				X	X	X	X	
Crane De- mob							X	
CREW TOTALS EACH WORKING DAY		6	6	6	6	6	6	

Note: Will need concrete boom pump on 1/13/25 @ 10:00am

A.P.S.P	Concrete & Concrete Pumping Proce	DATE	1/13	Safety Inspection	DATE	1/14	Aerial /Scissor Lift	DATE	1/24
	QC HUDDLES	DATE	1/13	Precast Walls	DATE	1/14		DATE	
PHOTOS TAKEN	QC PHOTOS	DATE		RENTAL EQUIPMENT	DATE		MISC. PHOTOS	DATE	
	Pipe Pit Photos on	DATE	12/16						
DELIVERIES	WALL SLOTS	DATE	1/21	Pipe	DATE	?		DATE	
	Shoring	DATE	1/8						
EQUIPMENT	RENTAL	DATE		RENTAL	DATE		MISC. EQUIPMENT	DATE	
	Air Compressor/San Pot	DATE	1/24	Scissor Lift 36'	DATE	1/15			

TRAINING / MANPOWER NOTES

TANK MILESTONES	FRIDAY'S CREW SIZE: 0			Crew Size			TRAINING / MANPOWER NOTES		
	MILESTONE (REQUIRED)	DATE:	DAYS:	MILESTONE (REQUIRED)	DATE:	DAYS:	MILESTONE (REQUIRED)	DATE:	DAYS:
	Start Pouring Panels	1/14	3B	Complete Pouring Panels	1/24	2B	Tamms	3/11	0B
	MILESTONE	DATE:	DAYS:	MILESTONE	DATE:	DAYS:	MILESTONE	DATE:	DAYS:
	Start Shoring Erection	1/14	2B	Start Panel Erection	1/30	2B	Demob	3/19	0B

Canyon Regional Water Authority
Hays Caldwell WTP Improvements Phase 1
SUBMITTAL REVIEW LOG
Contractor: DN Tanks
Project Manager: Yue Sun

Submittal No.	Vendor/Supplier	Manufacturer	Spec Section	Submittal Description	Date of Submittal	Date of Submittal Returned	Code 1 APPROVED	Code 2 App. As Noted/Comments Attached	Code 3 App. As Noted/CONFIRM	Code 4 App. As Noted Resubmit	Code 5 NOT APPROVED Resubmit	Code 6 RECEIPT ACKNOWLEDGE D
01.32.16-01	DN Tanks	DN Tanks	01.32.16	Baseline Schedule	8/30/2024	9/18/2024		X				
03.15.00-01	DN Tanks	Concrete Sealants, Inc.	03.15.00	Joint Sealer (Valve Casing)	8/8/2024	8/21/2024	X					
03.15.00-02	DN Tanks	Sika Corporation	03.15.00	Sika - 1A	8/27/2024	9/19/2024	X					
03.15.00-03	DN Tanks	DCA Construction Products, LLC	03.15.00	Waterstop - Type 9	8/27/2024	9/19/2024	X					
03.15.00-04	DN Tanks	DCA Construction Products, LLC	03.15.00	Waterstop - Type 10	9/9/2024	9/19/2024	X					
03.15.00-05	DN Tanks	Multiple	03.15.00	Concrete & Shotcrete Mix Designs	10/28/2024	10/30/2024		X				
03.30.00-01	DN Tanks	TEX MIX	03.30.00	Concrete (4000-3000 PSI)	7/11/2024	8/7/2024			X			
03.30.00-01-A	DN Tanks	TEX MIX	03.30.00	Concrete (4000-3000 PSI)	8/8/2024	8/22/2024	X					
03.30.00-02	DN Tanks	SpecChem	03.30.00	Concrete Curing Compound	8/5/2024	8/19/2024	X					
03.30.00-03	DN Tanks	Quikrete	03.30.00	Concrete Bag (Vault Casing/Cradling)	8/8/2024	8/21/2024	X					
03.30.00-04	DN Tanks	SpecChem	03.30.00	Flowable Grout	8/8/2024	8/21/2024	X					
03.30.00-05	DN Tanks	W. R. Meadows/ Inc.	03.30.00	Fiber Expansion	8/23/2024	9/19/2024	X					
03.30.00-06	DN Tanks	Sika Corporation	03.30.00	Joint Sealant	8/23/2024	9/19/2024	X					
03.30.00-07	DN Tanks	Multiple	03.30.00	GST Concrete & Shotcrete Mix Designs	11/5/2024	11/8/2024	X					
09.90.00-01	Cohen Industrial Supply Co.	Sherwin Williams	09.90.00	Exposed Pipe Coating	11/11/2024	12/11/2024		X				
09.90.00-02	Cohen Industrial Supply Co.	Allstates Coatings Co. Control Panels USA Inc.	09.90.00	Underground Pipe Coating	11/11/2024	12/11/2024		X				
26.00.00-01	DN Tanks	Control Panels USA Inc.	26.00.00	Electrical Controls & Instrumentation	10/9/2024	10/10/2024				X		
31.20.00-01	DN Tanks	Martin Marietta	31.20.00	5x3 Gabion	7/9/2024	7/26/2024	X					
31.20.00-02	DN Tanks	Martin Marietta	31.20.00	#67	7/9/2024	7/26/2024	X					
31.20.00-03	DN Tanks	Martin Marietta	31.20.00	#57	7/9/2024	7/26/2024	X					
31.20.00-04	DN Tanks	Martin Marietta	31.20.00	Flex Base	7/9/2024	7/26/2024		X				
31.20.00-05	DN Tanks	TenCate Geosynthetics Americas (A Solmax Company)	31.20.00	Geotextile - Mirafix 1160N	7/9/2024	7/26/2024	X					

Canyon Regional Water Authority
Hays Caldwell WTP Improvements Phase 1
SUBMITTAL REVIEW LOG
Contractor: DN Tanks
Project Manager: Yue Sun

Submittal No.	Vendor/Supplier	Manufacturer	Spec Section	Submittal Description	Date of Submittal	Date of Submittal Returned	Code 1 APPROVED	Code 2 App. As Noted/Comments Attached	Code 3 App. As Noted/CONFIRM	Code 4 App. As Noted Resubmit	Code 5 NOT APPROVED Resubmit	Code 6 RECEIPT ACKNOWLEDGE D
31.20.00-06	DN Tanks	TenCate Geosynthetics Americas (A Solmax Company)	31.20.00	Geotextile - Mirafli 1100N	7/9/2024	7/26/2024						X
31.20.00-07	DN Tanks	Tensar	31.20.00	Geotextile - Tensar TX5	7/9/2024	7/26/2024	X					
31.20.00-08	DN Tanks	TenCate Geosynthetics Americas (A Solmax Company)	31.20.00	Geotextile - Mirafli 500x	7/9/2024	7/26/2024	X					
31.37.00-01	DN Tanks	Keeley Construction	31.37.00	12x6 Rip Rap	8/22/2024	9/10/2024	X					
32.92.13-01	DN Tanks	Douglas King Seeds	32.92.13	Seeds (Permeant Vegetative Covering)	8/8/2024	8/14/2024					X	
32.92.13-01-A	DN Tanks	Douglas King Seeds	33.92.13	Seeds (Permeant Vegetative Covering)	8/23/2024	8/27/2024		X				
33.01.12-01	DN Tanks	Keeley Construction	33.01.12	Underslab Pipe Hydrostatic Test Results	12/19/2024							
33.11.10-01	DN Tanks	Multiple	33.11.10	Mechanical Joint Restraint	8/5/2024	9/9/2024			X			
33.11.10-01-A	DN Tanks	Multiple	33.11.10	Mechanical Joint Restraint	9/20/2024	10/3/2024		X				
33.11.10-02	DN Tanks	Multiple	33.11.10	DI Pipe & Polyethylene	8/5/2024	9/9/2024			X			
33.11.10-02-A	DN Tanks	Multiple	33.11.10	DI Pipe & Polyethylene	9/24/2024	10/3/2024			X			
33.11.10-03	DN Tanks	Multiple	33.11.10	DI Pipe Fittings	8/5/2024	9/9/2024			X			
33.11.10-03-A	DN Tanks	Multiple	33.11.10	DI Pipe Fittings	9/20/2024	10/3/2024		X				
33.11.10-04	DN Tanks	ITP	40.05.19 40.05.23	Bolts	8/8/2024	9/9/2024						
33.11.10-05	DN Tanks	Custom Pipe & Fabrication Inc.	33.11.10	DI Pipe Fabricated	9/24/2024	10/3/2024		X				
33.11.10-06	DN Tanks	American Flow Control	33.11.10	30 Inch Flanged Gate Valve	9/25/2024	10/3/2024		X				
40.05.06-01	DN Tanks	EBAA Iron Inc.	40.05.06	Mega Coupling	11/20/2024	12/11/2024			X			
40.05.24-01	DN Tanks	Felker Fabrication	40.05.24	Fabricated Stainless Steel	8/22/2024	9/18/2024						
40.05.51-01	DN Tanks	Tyler Union	40.05.51	Valve Box	8/5/2024	9/9/2024		X				
40.05.61-01	DN Tanks	American Flow Control	40.05.61	Gate Valves	8/5/2024	9/9/2024		X				
40.41.00-01	DN Tanks	Control Panels USA Inc.	40.41.00	Electrical Heat Trace	12/13/2024							
40.61.00-01	DN Tanks	Control Panels USA Inc.	40.61.00	Electrical Controls & Instrumentation	10/15/2024	10/25/2024					X	
40.66.00-01	DN Tanks	Control Panels USA Inc.	40.66.00	Communications Interface Equipment	12/13/2024	1/7/2025	X					
40.72.00-01	DN Tanks	Control Panels USA Inc.	40.72.00	Level Instruments	12/13/2024	1/7/2025	X					

Canyon Regional Water Authority
Hays Caldwell WTP Improvements Phase 1
SUBMITTAL REVIEW LOG
Contractor: DN Tanks
Project Manager: Yue Sun

Submittal No.	Vendor/Supplier	Manufacturer	Spec Section	Submittal Description	Date of Submittal	Date of Submittal Returned	Code 1 APPROVED	Code 2 App. As Noted/Comments Attached	Code 3 App. As Noted/CONFIRM	Code 4 App. As Noted Resubmit	Code 5 NOT APPROVED Resubmit	Code 6 RECEIPT ACKNOWLEDGE D
43.41.63-01	DN Tanks	DN Tanks	43.41.63	DN Tanks Foundation Drawings	8/19/2024	9/19/2024				X		
43.41.63-02	DN Tanks	DN Tanks	43.41.63	Tank Design Drawings & Engineer Response Letter	10/4/2024	10/22/2024	A. Ayala	X				
43.41.63-03	DN Tanks	DN Tanks	43.41.63	Tank Design Calculations	10/4/2024	10/17/2024	X					
43.41.63-04	DN Tanks	DN Tanks	43.41.63	Tank Fabrication Drawings	10/4/2024	11/4/2024	N. Green					
43.41.63-05	DN Tanks	Sika Corporation	43.41.63	Steel Diaphragm	10/18/2024	10/30/2024	X					
43.41.63-06	DN Tanks	Sika Corporation	43.41.63	PVC Waterstop	10/4/2024	10/18/2024	X					
43.41.63-07	DN Tanks	Multiple	43.41.63	Polysulfide Sealants	10/4/2024	10/17/2024	X					
43.41.63-08	DN Tanks	Gerard Packing and Belling Corporation	43.41.63	Natural Rubber Bearing Pads	10/4/2024	10/17/2024	X					
43.41.63-09	DN Tanks	Gerard Packing and Belling Corporation	43.41.63	Neoprene Bearing Pads	10/4/2024	10/17/2024				X		
43.41.63-10	DN Tanks	Dayton Superior	43.41.63	Concrete Curing Compound	10/4/2024	10/17/2024	X					
43.41.63-11	DN Tanks	Solomon Colors, Inc.	43.41.63	Concrete Finishing Aid	10/4/2024	10/17/2024	X					
43.41.63-12	DN Tanks	GT Industries	43.41.63	Sponge Rubber Filler	10/4/2024	10/17/2024	X					
43.41.63-13	DN Tanks	Commercial Grade Quikrete	43.41.63	Quikrete Grout	10/4/2024	10/17/2024	X					
43.41.63-14	DN Tanks	HILTI	43.41.63	Epoxy Coating System	10/4/2024	10/17/2024	X					
43.41.63-15	DN Tanks	Chase Associates	43.41.63	Manway	10/4/2024	11/4/2024	A. Ayala		X			
43.41.63-16	DN Tanks	USF Fabrication	43.41.63	Tank Roof Hatch	10/4/2024	11/4/2024				X	A. Ayala	
43.41.63-17	DN Tanks	French Creek Production	43.41.63	Ladder Fall Prevention (Exterior Ladder)	10/4/2024	11/4/2024						
43.41.63-18	DN Tanks	Euclid Chemical	43.41.63	Tank Architectural Coating	10/4/2024	11/4/2024	A. Ayala	X			X	
43.41.63-19	DN Tanks	Atlantic Fabricators	43.41.63	Tank Roof Vent (AIS)	10/18/2024	11/4/2024						
43.41.63-20	DN Tanks	DCA Construction Products, LLC	43.41.63	Waterstop Type 11	10/25/2024	10/30/2024	X					
43.41.63-20	DN Tanks	White Cap	43.41.63	Rebar Stop Drawings (Overflow Structure)	11/20/2024	12/9/2024	X					

**Hays Caldwell WTP
Ph 1 Improvements
RFI REVIEW LOG**

**Contractor: DN Tanks
Project Manager: Yue Sun**

RFI No.	Vendor/Supplier	Specification Section	RFI Subject	Date of RFI Received by Ardurra	Date of RFI Returned
001	DN Tanks	Geotechnical Report	Allowable Bearing Capacity PSF	8/5/2024	8/13/2024
002	DN Tanks	Geotechnical Report	Site Classification	8/5/2024	8/13/2024
003	DN Tanks	N/A	Overflow Wing Wall Rebar Details	8/21/2024	8/26/2024
004	DN Tanks	03 30 00	GST Concrete Fly Ash Content - Critical	9/24/2024	9/25/2024
005	DN Tanks	09 90 00	Exterior Overflow Pipe Coating	10/25/2024	10/28/2024
006	DN Tanks	03 30 00	Elevation Discrepancy	1/2/2025	1/2/2025



GALLEGOS ENGINEERING, INC.

Firm No. F-003084

P.O. BOX 690067
SAN ANTONIO, TEXAS 78269

210-641-0812 PH

JANUARY 2025 MONTHLY REPORT

DATE: January 22, 2025

TO: Kerry Averyt, General Manager
Canyon Regional Water Authority

FROM: Richard M. Gallegos, P.E.
President, Gallegos Engineering, Inc.

SUBJECT: Hays/Caldwell Reedville 12" Pipeline, PHASE 1

Since the last update, we have continued working on the contract specifications including the technical specifications and should have them complete by the end of January 2024. The only item that will be outstanding in the specifications will be the final bid proposal quantities which will be completed when the design plans are completed.

We completed the water pipeline construction plans and provided a check set to CRWA Mid-January 2025 for final review and comment.

At the time of this memo the overall project is currently ahead of schedule.



13750 San Pedro Ave.
Suite 350
San Antonio, TX 78232
TEL 210.447.6250
www.GarverUSA.com

Canyon Regional Water Authority Lake Dunlap WTP Improvements

To: Kerry Averyt, PE
General Manager
Canyon Regional Water Authority

From: Greg Swoboda, PE

Date: January 23, 2025

RE: Lake Dunlap WTP Imp Project
Project Status Report

Below is a status update for the Lake Dunlap WTP Improvements.

Strainer Improvements

1. Garver incorporated CRWA comments into a 100% design package.
2. Contractor outreach was conducted prior to advertising the project.
3. Garver delivered the 100% design/bid documents and uploaded to CivCast on 12/9/24.
4. A non-mandatory pre-bid meeting was held on 12/17/24.
5. Five (5) general contractors attended the pre-bid meeting.
6. Garver issued Addendum No. 1 on 12/19/24.
7. Garver issued Addendum No. 2 on 1/8/25 (to change bid date).
8. Garver issued Addendum No. 3 on 1/21/25
9. Upcoming Work
 - a. Based on questions received, an additional addendum may be issued.
 - b. Bid opening is planned for 2/4/25 (delayed from 1/10/25).
 - c. Evaluation of bids after bid opening.
 - d. Trustees Board Award is planned for March Trustees Meeting.
 - e. Contractor Notice to Proceed is planned for late March 2025.

Membrane Improvements

1. Scope of work and fee being finalized with CRWA.
2. Planned scope of work includes.
 - a. Topographic survey.
 - b. Membrane improvements evaluation for consideration for 14.4 to 16.0 mgd.
 - c. Tank rehabilitation work package.
 - d. Pre-treatment evaluation.
 - i. Clarifier and plate/tube settler evaluation.
 - ii. Ozone relocation.
 - iii. Coagulant evaluation.
 - iv. TTHM Evaluation
 - v. TCEQ BIN Classification Support
 - e. Membrane improvements design-preliminary and final.
 - i. Membrane skids.
 - ii. Membrane feed pumps.
 - iii. Membrane backwash pump and yard piping.
 - iv. Backwash plant drain system.
 - v. Electrical and I&C improvements.
 - vi. Correspondence with TCEQ.
 - vii. OPCC
 - f. Bid phase services.
 - g. Construction phase services.

Xc: David McMullen, CRWA
Adam Telfer, CRWA
Buddy Boysen, Garver



To:	From:	Subject:
Canyon Regional Water Authority (CRWA)	STV, Inc. Marisa Vergara, PE	CRWA Project No. 2024-002 January Monthly Progress Report 1/27/2025

Service Order No. 2024002-01
Task Order 1 Wells Ranch Well No. Pumping Upgrades Project
Task Manager: David Stanley, PE

Scope

- Increase Well 2 and Well 14 pumping capacity up to approx. 1,000 gpm to Wells Ranch WTP. Includes new well pumps, motors, variable frequency drives, and electrical service. Also includes relocation of existing 350 kW Well 2 Generator to Well 14 and installation of two existing 150 kW generators at Wells 5 and Well 13 sites.

Scope Elements Added/Removed

- None this month

January 2025 Progress

- Project is in Construction
- Reviewed and responded to VFDs submittal
- Contractor is coordinating with GVEC (electrical service provider).
- Completed design changes for potential Change Order to install existing 800 kW generator at Well 2 and 3 site. Awaiting proposal from Contractor.
- Met with GCGCD (Guadalupe County Groundwater Conservation District), RW Harden (*Hydrologist Consultant to CRWA*), CRWA staff on 1/22/25 to discuss permitting requirements for increased pumping capacity for Well 2 and 10.
- *Met with RW Harden and CRWA staff to discuss required increased permitted pumping capacity for Well 14 with Gonzales County Underground Water Conservation District. A RW Harden proposal is anticipated for this work.*

February 2025 Progress Planned

- *Continue coordination with RW Harden (Hydrologist Consultant to CRWA) for required increased permitted pumping capacity for Wells 2 and 14. This is pending CRWA approval.*
- Review additional submittals. Anticipated long lead times on electrical equipment. Contractor mobilization will be Spring '25

Project Schedule Summary

- TCEQ Permit Anticipated Approval: March 2025
- Award Contractor and Construction: January 2024

- Construction Substantial Completion: October 2025
- Status – ON Schedule

STV Service Order No.: 02
Wells Ranch Phase 3 Water Supply Study
Task Manager – David Stanley, PE

Scope

- Water supply study of the Wells Ranch Phase 3 project for additional groundwater supplies and associated evaluations. Includes a new wellfield located in Gonzales County in the Brown Tract. Study will evaluate overall infrastructure requirements including transmission and treatment for a complete water supply.

January 2025 Progress

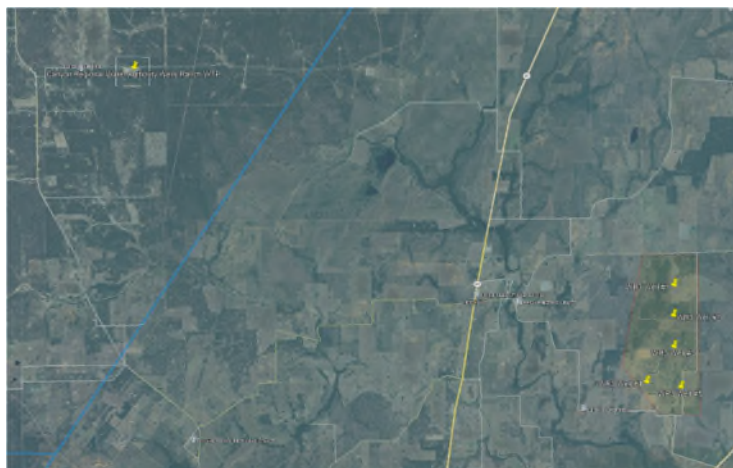
- Revised conceptual exhibits from progress meeting on 12/17/24 to review conceptual wellfield layouts.
- Completed preliminary sizing of well pumps.
- Conducted site visit to Wells Ranch WTP with STV and CRWA Staff to meet with operators, understand current operating procedures, and discuss expansion.
- Completed Wells Ranch WTP current capacity analysis for each plant component.
- Additional updates provided in Task Order 3 summary.

February 2025 Projected Planned

- Conduct Wells Ranch Phase 3 stakeholder meetings. (Pending CRWA Coordination)
- Conduct planning level evaluation of environmental conditions and potential impacts.
- Finalize treatment and distribution system stability model.
- Draft report with initial recommendations and budget

Project Schedule Summary

- Draft report in February 2025
- Status - delayed one month pending Work Order 3 study finding and stakeholder meetings.



STV Service Order No.: 03
Wells Ranch Phase 3 Water Treatment and Well Study
Task Manager – David Stanley, PE

Scope

- Water supply study for Wells Ranch Expansion including Wells 2, 14, 10 and Phase 3 expansion. Preliminary engineering report to for the addition of Well No. 10. Develop conceptual process mechanical and hydraulic modeling to evaluate the existing capacity of the Wells Ranch well collection lines, water treatment plant (WTP), high service pump station (HSPS), and transmission pipeline and the development of conceptual recommendations for improvements.

January 2025 Progress

- WTP Evaluation – Received budget quotes for expansion options of both gravity and pressure filters. Conceptual site plan developed for proposed expansion.
- Hydraulic Modeling – Met with CRWA staff to understand operation procedures of existing transmission line system and updated new InfoWater Pro model accordingly.
- Water Quality Blending Modeling – Develop a draft computer model to predict combined water quality for additional raw water sources and within the WTP for potential separation of Wilcox and Carrizo raw water delivery points.
- Reviewed information from RW Harden on Well No. 10 location, spacing, and predicted quantity.
- Attended GCGCD (Guadalupe County Groundwater Conservation District) meeting to discuss permitting requirements for increased pumping capacity for Well 10. A RW Harden proposal is anticipated for this work in conjunction with Well 2.

February 2025 Projected Planned

- Meet with CRWA staff to present draft conceptual exhibits and tables for well field and treatment expansion.
- Hydraulic Modeling – Exercise InfoWater Pro computer model to evaluate the well field raw water collection line(s) alternatives for expansion in consideration of additional wells, and to evaluate alternatives for transmission line expansion to accommodate additional treatment capacity.

Project Schedule Summary

- Draft reports in March 2025



STV Service Order No.: 05

Update of EPA Risk & Resilience Assessment and Emergency Response Plan

Task Manager – Gil Barnett, PE

Scope

- This work includes updating CRWA’s Water System Risk and Resilience Assessment and the Emergency Response Plans to ensure continued compliance with Sec. 2013 of AWIA 2018. The certification due dates are March 31, 2025, for the updated RRA, and September 30, 2025, for the updated ERP.

January 2025 Progress

- Workshop 1 completed on January 14th, 2025
- Updated first 4 steps of Draft Risk/Resiliency Management Plan
- Preparing for Workshops – 2/4/2025, 2/26/2025

February 2025 Projected Progress Planned

- Complete preparation for Workshops
- Conduct Workshop 2 and 3
- Draft briefing for Board of Trustees March Meeting

Project Schedule Summary

- Draft Risk and Resilience Assessment – Due March 14, 2025
- Final Risk and Resilience Assessment – Due March 28, 2025
- Draft Emergency Response Plan – Due July 30, 2025
- Final Emergency Response Plan – Due September 15, 2025



PROJECT STATUS REPORTS

PROJECT STATUS REPORT SUMMARY

REPORT DATE

January 22, 2025

PREPARED BY

David Kneuper, P.E. – Utility Engineering Group

TXDOT/CRWA IH-10 (SANTA CLARA & ZUEHL) TRANSMISSION LINE ENCASEMENT STATUS SUMMARY

The project includes the addition of approximately 190 LF of steel split casing on the existing CRWA transmission main at Santa Clara Road and the relocation and encasement of approximately 200 LF of the transmission main at Zuehl Road. The project is required due to the reconstruction of the two intersections by the Texas Department of Transportation (TxDOT) with their IH-10 expansion project.

The project pre-construction meeting was held on 2/27. The project Notice-to-Proceed has been issued for 2/29, giving the Contractor 120 calendar days to reach Substantial Completion and 150 calendar days (total) to reach Final Project Completion. The Contractor mobilized to the site and started work on 4/23. As of 5/23, the Contractor has completed the split casing and pavement restoration work at the Santa Clara intersection.

The Contractor provided an updated schedule on 10/28 to complete the work at the Zuehl intersection on 11/26. The project bore and casing pipe installation was completed on 12/10. The Contractor is currently waiting on HDPE pipe delivery to complete the work at the site. UEG provided a notice to the Contractor on 7/16, on 8/29, 10/16, and most recently on 1/5/25, of the final completion date and outlined the requirements of delays in Contractor's progress as provided in the contract documents. Finally, pipeline connection timing will be dependent on coordination with CRWA on timing of the tie-ins.

The contract amount is currently \$541,424.21, which includes the original bid and approved Change Order's No. 1 and No. 2, all of which are fully reimbursable. A request for reimbursement was submitted to TxDOT on 12/18 for a partial project payment in the amount of \$213,969.43.

TXDOT/CRWA FM 1518 TRANSMISSION LINE RELOCATION STATUS SUMMARY

The project includes the offset and bore of a new section of 30-Inch CRWA transmission main, approximately 250 LF, across FM 1518 at the intersection with Lower Seguin Road. The project is required due to the TxDOT widening of FM 1518 and associated drainage improvements.

The project Notice-to-Proceed was issued for 2/13, giving the Contractor 120 calendar days to reach Substantial Completion and 150 calendar days (total) to reach Final Project Completion. The project bore and carrier pipe installation was completed on 5/24. A meeting was held on-site on 5/20 to discuss the pipeline connections. Following the meeting UEG prepared a draft tie-in work plan template for the Contractor to complete and submit for review and approval. Additionally, UEG prepared and submitted to the Contractor a project work area notice letter for their continued use of adjacent property outside of the

identified project construction limits and CRWA easement. A second project work area notice was issued on 6/28. Following submission of the tie-in work plan, a second on-site meeting was held on 6/12. UEG provided a notice to the Contractor on 7/15, 8/29, 10/17, and most recently on 1/6/25 of the final completion date and outlined the requirements of delays in Contractor's progress as provided in the contract documents.

All work has been completed on the project except for the establishment of vegetation and restoration of the project site. A project walk through was held on 10/23 and the project substantial completion letter was also provided on 10/23.

The current construction contract amount is \$634,121.15 based on Change Order No. 1 (-106,537.24) and Change Order No. 2 (\$9,237.60). A request for reimbursement was submitted to TxDOT on 12/17 for a partial project payment in the amount of \$116,553.40.

TXDOT IH-10 CRWA CONFLICT AT CHANNEL D RELOCATION STATUS SUMMARY

The project includes the relocation design of CRWA's existing 30" water transmission main that crosses IH-10, just west of the intersection of Santa Clara Road and IH-35. The existing 30" transmission main was originally constructed with CRWA's IH-10 Bore Crossing Project in 2014. The relocation will include approximately 500 linear feet of 30" transmission main, associated casing pipe, and connections to the existing CRWA 24" concrete pressure pipe (C303) along IH-10 as well as the existing 30" ductile iron main running perpendicular to the highway. This proposed relocation is required due to a conflict with TxDOT's proposed Channel D, along the east bound frontage road at TxDOT centerline STA 15102+70. The proposed drainage improvements are associated with TxDOT's IH-10 expansion project between the Cibolo Creek and Linne Road (TxDOT Project No. CSJ 0025-03-097).

Utility Engineering Group was authorized by CRWA on 10/8 to begin work on the project. UEG's survey sub-consultant provided the project existing conditions survey file to UEG on 1/2/25. UEG is currently preparing a preliminary relocation plan set and TxDOT Standard Agreement - Supplemental Agreement based on updated TxDOT design files received on 12/10.